



## **Section 6: Career and Technical Education Seal**

Section 6 presents the requirements for obtaining a Career and Technical Education Seal.

You will also find a list of all the certifications and licenses approved by the Virginia Board of Education for the CTE seal. To find more information about a particular certification, license, or assessment, refer to Section 4.

## Section 6: Career and Technical Education Seal

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### Requirements for a Career and Technical Education Seal

The student must

1. Fulfill the requirements for either a standard or advanced studies diploma.
2. Complete a prescribed sequence of courses in a CTE concentration or specialization.
3. Meet one of the following conditions:
  - Maintain a B or better average in CTE courses.
  - Pass an exam that confers certification from a recognized industry, trade, or professional association.  
*Example:* A+ exam for computer hardware installation and maintenance
  - Acquire a professional license in a career and technical field. *Example:* Virginia Cosmetology License.

### Certifications and Licenses That Meet the Board of Education Requirements for a Career and Technical Education Seal

| Certification   | Issuing Organization  |
|---|---|
| A+ Certification  | CompTIA   |
| ACCESS  | American Culinary Federation, Inc. (ACF)                      |
| Adobe Certified Expert  | Adobe Systems Incorporated                                    |
| Advanced Concepts of Business and Marketing Certificate                 | ASK Institute ((DECA/MarkED)                                  |
| Air Conditioning Certification  | HVAC Excellence   |
| AutoCAD2000   | Brainbench/Autodesk Inc.                                      |
| Automotive Technician (ASE)   | National Institute for Automotive Service Excellence          |
| BICSI Registered Installer, Level 1                                     | BICSI (International Telecommunications Association)          |
| Brainbench Adobe Illustrator Certification                              | Brainbench  |
| Brainbench Adobe PageMaker Certification                                | Brainbench  |
| Brainbench Adobe Photoshop Certification                                | Brainbench  |
| Brainbench Certified Internet Professional: Page Layout Certification   | Brainbench  |
| Brainbench CorelDRAW Certification                                      | Brainbench  |
| Brainbench Dreamweaver Certification                                    | Brainbench  |
| Brainbench Fireworks Certification                                      | Brainbench  |
| Brainbench Flash Certification  | Brainbench  |
| Brainbench HTML Certification   | Brainbench  |
| Brainbench Java Fundamentals Certification                              | Brainbench  |
| Brainbench Java2 Certification  | Brainbench  |
| Brainbench JavaScript Certification                                     | Brainbench  |
| Brainbench Macromedia FreeHand Certification                            | Brainbench  |
| Brainbench MS FrontPage 2000 Certification                              | Brainbench  |
| Brainbench Quark Xpress Certification                                   | Brainbench  |
| Carpentry, Level 1 Certification  | National Center for Construction Education & Research (NCCER) |
| Certification for Legal Professionals (ALS)                             | The Association for Legal Professionals                       |
| Certification in Convergent Network Technologies (CCNT)                 | ProsoftTraining   |
| Certified Computer Service Technician (CST)                             | Electronics Technicians Association International (ETA)       |
| Certified Dental Assistant: Infection Control Examination ((ICE)        | Dental Assisting National Board, Inc.                         |
| Certified Dental Assistant: Radiation Health & Safety Examination (RHS) | Dental Assisting National Board, Inc.                         |
| Certified Electronics Technician (CET) Associate                        | Electronics Technicians Association International (ETA)       |

| <b>Certification</b>   | <b>Issuing Organization</b>  |
|--|--|
| Certified Fiber Optics Installer                             | The Association of Communications & Electronics Schools, International |
| Certified Hospitality Supervisor (CHS)                       | American Hotel and Lodging Association (AH&LA)                         |
| Certified Internet Webmaster Associate Certification         | ProsoftTraining  |
| Certified Internet Webmaster Professional                    | ProsoftTraining  |
| Certified Medical Assistant (CMA)                            | American Association of Medical Assistants (AAMA)                      |
| Certified Novell Administrator (CNA)                         | Novell   |
| Certified Satellite Dish Installer                           | Electronics Technicians Association International (ETA)                |
| Child Development Associate (CDA) National Credential        | Council for Professional Recognition                                   |
| Cisco Certified Network Associate (CNA)                      | Cisco Systems  |
| Collision Repair and Refinishing Technician (ASE)            | National Institute for Automotive Service Excellence                   |
| Commercial Air Conditioning Certification                    | HVAC Excellence  |
| Commercial Refrigeration Certification                       | HVAC Excellence  |
| Construction Fundamentals Certification                      | National Center for Construction Education & Research (NCCER)          |
| Consumer Electronics Certification (CEC)                     | Electronics Technicians Association International (ETA)                |
| Copper Based Cabling Certification                           | RBT Systems, Inc.  |
| Customer Support Specialist Certification                    | Help Desk Institute  |
| Damage Analysis and Estimating Certification (ASE)           | National Institute for Automotive Service Excellence                   |
| Drafter Certification  | American Design Drafting Association                                   |
| Electric Heat Certification                                  | HVAC Excellence  |
| Electrical Certification                                     | HVAC Excellence  |
| Electrical, Level 1 Certification                            | National Center for Construction Education & Research (NCCER)          |
| Emergency Medical Technician                                 | Virginia Department of Health, Office of Emergency Medical Services    |
| EPA Technician Certification ((Core Exams: I, II, or III)    | Environmental Protection Agency (Authorized Entity)                    |
| Fiber Optic Network Cabling Certification                    | RBT Systems, Inc.  |
| Fiber Optics Installer Certification (FOIC)                  | Electronics Technicians Association International (ETA)                |
| Fundamental Concepts of Business and Marketing Certificate   | ASK Institute (DECA/MarkED)  |
| Gas Heat Certification                                       | HVAC Excellence  |
| Graymark Cable Installation Certification                    | Graymark International   |
| Greenhouse Operators Certification Program                   | Southeast Greenhouse Growers Association                               |
| Heat Pump Certification                                      | HVAC Excellence  |
| Hospitality Skills Certification—Front Desk Agents           | American Hotel and Lodging Association (AH&LA)                         |
| Hospitality Skills Certification—Restaurant Servers          | American Hotel and Lodging Association (AH&LA)                         |
| Hospitality Skills Certification—Room Attendants             | American Hotel and Lodging Association (AH&LA)                         |
| HVAC, Level 1 Certification                                  | National Center for Construction Education & Research (NCCER)          |
| Hydraulics Specialist Certification                          | Fluid Power Society  |
| IC3 Certification  | Certiport  |
| International Computer Driving License                       | ICDL US  |
| iNet+ Certification  | CompTIA  |
| Installer Core Certification (HVAC)                          | North American Technician Excellence, Inc. ((NATE)                     |
| IT Essentials Certificate, Level 1                           | Cisco Systems  |
| IT Essentials Certificate, Level 2                           | Cisco Systems  |
| Java Programming Certificate                                 | Cisco Systems  |
| Light Commercial Heating & Air Conditioning                  | Air Conditioning and Refrigeration Institute                           |
| Linux+   | CompTIA  |
| Lodging Management Program Certification (Levels 1 and/or 2) | American Hotel and Lodging Association (AH&LA)                         |

| <b>Certification</b>   | <b>Issuing Organization</b>   |
|--|---|
| Machining Skills--Level 1  | National Institute for Metalworking Skills (NIMS)                             |
| Macromedia Certified Professional  | Macromedia  |
| Masonry, Level 1 Certification   | National Center for Construction Education & Research (NCCER)                 |
| Master CIW Administrator   | ProsoftTraining   |
| Master CIW Designer  | ProsoftTraining   |
| Master CIW Enterprise Developer  | ProsoftTraining   |
| Master CIW Web Site Manager  | ProsoftTraining   |
| Metalforming Skills, Level 1   | National Institute for Metalworking Skills (NIMS)                             |
| Microsoft Certified Applications Developer (MCAD)  | Microsoft   |
| Microsoft Certified Professional (MCP) (Any Microsoft Professional Certification Exam)                                 | Microsoft   |
| Microsoft Certified Professional (MCP): Installing, Configuring, and Administering Microsoft Windows 2000 Professional | Microsoft   |
| Microsoft Certified Professional (MCP): Installing, Configuring, and Administering Microsoft Windows 2000 Server       | Microsoft   |
| Microsoft Certified Professional (MCP): Visual C++ 6.0   | Microsoft   |
| Microsoft Certified Professional (MCP): Visual Basic 6.0   | Microsoft   |
| Microsoft Certified Systems Administrator (MCSA)   | Microsoft   |
| Microsoft Certified Systems Engineer (MCSE)  | Microsoft   |
| Microsoft Office Specialist (MOS)  | Microsoft   |
| National Professional Certification in Customer Service  | Sales & Service Voluntary Partnership (S&SVP)                                 |
| Network+ Certification   | CompTIA   |
| NRDA Certification (Dental Assisting)  | National Allied Health Registry/National Association for Health Professionals |
| NRDA Certification (Medical Assisting)   | National Allied Health Registry/National Association for Health Professionals |
| Nurse Aide   | Virginia Board of Nursing   |
| Oil Heat Certification   | HVAC Excellence   |
| Oracle Certified Professional (Any Oracle Professional Certification Exam)   | Oracle Corporation  |
| Outdoor Power Equipment Certifications   | Equipment and Engine Training Council (EETC)                                  |
| Parts Specialist: Automobile or Medium/Heavy Truck   | National Institute for Automotive Service Excellence                          |
| Plumbing, Level 1 Certification  | National Center for Construction Education & Research (NCCER)                 |
| Pneumatic Technician   | Fluid Power Society   |
| PrintED Certification  | Graphic Arts Education and Research Foundation                                |
| ProStart National Certification of Achievement   | Educational Foundation of the National Restaurant Association                 |
| Residential Air Conditioning and Heating Certification   | Air Conditioning and Refrigeration Institute                                  |
| SENSE Training Program Certifications (Welding)  | American Welding Society (AWS)  |
| Service Core Certification ((HVAC)   | North American Technician Excellence, Inc. ((NATE)                            |
| START Certification  | American Hotel and Lodging Association (AH&LA)                                |
| Sun Certified Developer for the Java 2 Platform  | Sun Microsystems  |
| Unix Certificate   | Cisco Systems   |
| Voice and Data Cabling Certificate   | Cisco Systems   |
| Web Design Certificate   | Cisco Systems   |
| Welding, Level 1 Certification   | National Center for Construction Education & Research (NCCER)                 |
| WOW Certified Apprentice Webmaster (CAW)   | World Organization of Webmasters  |
| WOW Certified Web Administrator Apprentice   | World Organization of Webmasters  |

| <b>Certification</b>                           | <b>Issuing Organization</b>   |
|--|---|
| (CWAA)   |   |
| WOW Certified Web Designer Apprentice (CWDSA)  | World Organization of Webmasters  |
| WOW Certified Web Developer Apprentice (CWDVA) | World Organization of Webmastersv   |
| <b>Licensing</b>                               | <b>Issuing Organization</b>   |
| Cosmetology                                    | Virginia Board of Cosmetology (Department of Professional and Occupational Regulations) |
| Nail Technician                                | Virginia Board of Cosmetology (Department of Professional and Occupational Regulations) |
| Real Estate Salesperson                        | Virginia Real Estate Board (Department of Professional and Occupational Regulations)    |